

ABSTRACT OF THE DISCLOSURE

An IEEE 1394 apparatus is disclosed wherein, even when the used power supply is changed over, coincidence of a power class is maintained. A voltage detection unit 5 determines whether or not the output voltage of a power supply circuit is higher than a reference voltage. A code generation bloc generates, based on a result of the determination of the voltage detection unit, a code indicative of power class information which is 10 information representing which one of power supplied from a serial bus and the power supply of its own is used for operation of the IEEE 1394 apparatus. When a changing point detection unit detects a change of the result of the determination from the voltage detection unit, it 15 resets a PHY. When the PHY is reset, it performs self-identification and places the code generated by the code generation unit and indicative of the power class information into a Self-ID packet to be used for transmission of a result of the self-identification to a 20 bus manager, and outputs the Self-ID packet.